

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial____ Technical __X__ Analytical __X__

Administrative ____ Clerical/Support ____ Other____

Level of Responsibility: GS_11 - 13__ Pay Band ____ WG/WM ____

Duration: 3 months ____ 6 months__X__ Other____

Timeframe: 1st quarter __X__ 2nd quarter __X__ 3rd quarter____ 4th quarter____

Title of Assignment: Coast Pilot Analyst

Assignment Objective:

Recommend possible product changes to help facilitate data sharing between NOAA products and to become familiar with and participate in the day-to-day activities of the Coast Pilot Branch.

Description of Tasks:

This opportunity involves the evaluation, processing, and formatting of various types of source materials used to update the Coast Pilot, a nine-volume set of books that supplement the nautical charts. The incumbent will be exposed to website maintenance, desktop publishing, and may provide input for the incorporation of Coast Pilot data with electronic nautical charting products.

Special Requirements and Selection Criteria:

A good word processing background, knowledge of nautical charts and related publications.

NOAA Line/Staff Office: NOS / Office of Coast Survey

Point of Contact: John Nyberg (301)713-2729 x162

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial_____ Technical X Analytical X
Administrative _____ Clerical/Support _____ Other_____

Level of Responsibility: GS 9 - 13

Duration: prefer 6 months; 3 months is acceptable

Timeframe: 1st quarter_____ 2nd quarter X 3rd quarter X 4th quarter X

Title of Assignment: Real-Time Hydrodynamic Modeling and Prediction

Assignment Objective: To provide the RAP employee with an appreciation of the power of hydrodynamic water circulation modeling for the real-time prediction of water levels, currents, temperature and salinity, and for the simulation of the geographic distribution of tidal datums, in estuarine and coastal environments. We would like to (1) emphasize the importance of the atmospheric (wind; heat and moisture fluxes) and hydrologic (fresh water from rivers and watersheds) inputs to hydrodynamic circulation models as well as the potential for coupling of hydrodynamic, atmospheric and hydrologic systems through models. We are also interested in (2) advancing data assimilation techniques in hydrodynamic models. We would like to also (3) give the RAP employee experience in developing cooperative projects between our office and other offices in NOS and NOAA.

Description of Tasks: (1) To work with the Coast Survey Development Laboratory (CSDL) to develop a clearer understanding of the potential for coupling of hydrodynamic, atmospheric and hydrologic systems through modeling techniques; or (2) to assist CSDL in the application of data assimilation techniques in estuarine and coastal numerical hydrodynamic models; and (3) to help forge partnerships with the offices in NOS and NOAA that deal with these problems.

Special Requirements and Selection Criteria: The candidate should have experience with or involvement in numerical modeling and some knowledge of atmosphere-ocean-land interaction. Experience in data assimilation techniques would be useful.

Host Office: NOAA/NOS/Office of Coast Survey
(in its Coast Survey Development Laboratory)

Date: January 2004

Point of Contact: Frank Aikman (301-713-2809, x101)

NOS-04-NCCOS

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial ☒ Technical ☒ Analytical ☒

Administrative _____ Clerical/Support _____ Other _____

Level of Responsibility: GS ☐ 12 _____ Pay Band ☐ III _____ WG/WM _____

Duration: 3 months _____ 6 months ☒ Other _____

Timeframe: FY05-1st quarter ☒ 2nd quarter _____ 3rd quarter _____ FY04-4th quarter ☒

Title of Assignment: NOS staffing to the Ecosystem Research Matrix Program (ERMP)

Assignment Objective:

Get insight in the Budget process in general and in the NOAA Programming, Planning, Budgeting, System (PPBS) as well as in the matrix management. Understand how Coastal Science ties to other parts of NOAA through the budget process.

Description of Tasks:

- Support NOS staff to the ERMP
- Provide assistance and back-up for all tasks
- Attend Meetings
- Gather NOS information and needs
- Advocate NOS needs
- Collaborate mostly with OAR and NMFS and occasionally with other LOs to provide information and directions to the ERMP and the Ecosystem Goal Team

Special Requirements and Selection Criteria:

- Interest in science policy and management of science
- Background in the budget process or hill experience welcome

NOAA Line/Staff Office: /s/ Jean Snider, Deputy Director, NCCOS 1/12/03

Point of Contact: Dr. Nathalie Valette-Silver, 301-713 3020, ext 181, Email:

Nathalie.valette-silver@noaa.gov

NOS-05-OCRM

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial ☒ Technical ☒ Analytical ☒

Administrative ☐ Clerical/Support ☐ Other ☐

Level of Responsibility: GS 12-13 Pay Band ☒ 12 WG/WM ☐

Duration: 3 months ☐ 6 months ☒ Other ☒

Timeframe: 1st quarter ☐ 2nd quarter ☒ 3rd quarter ☒ 4th quarter ☒

Title of Assignment: Science Analyst

Background:

The analyst would assist in planning and implementing the reserves System-wide Monitoring Program, restoration and other science activities. The National Estuarine Research Reserve System-Wide Monitoring Program (SWMP) tracks short-term variability and long-term changes in coastal ecosystems represented in the reserve system. The initial phase of the reserve's System-wide Monitoring Program, known by its acronym SWMP (pronounced swamp), began in 1996. This phase focuses on monitoring water quality (temp., DO, conductivity, nutrients etc) and atmospheric information (air temp, wind speed rainfall etc). Data are QA/QCed via a Centralized Data Management Office and posted to the web (<http://cdmo.baruch.sc.edu/>).

Assignment Objective:

The science program within the reserve system offers several opportunities for the analyst, depending upon their interest. These involve planning future phases of SWMP that will include monitoring of selected habitats/organisms and monitoring changes in land use/habitats using remote sensing. Specific activities include:

- Organizing/updating the reserves' monitoring plan;
- assisting in planning a science review of the reserve system and populating the reserves research database;
- developing an implementation plan for restoration in the reserve system and engaging other offices through the Restoration Matrix team;
- developing a plan for the use of remote sensing and GIS in the reserve system;
- and promoting the NERRs Technical Report Series.

There will be opportunities to visit individual reserves sites.

Skills an analyst will gain include:

Technical writing; facilitation/ability to communicate with NOAA, external partners, scientists and policy makers. Technical knowledge of reserve related science (e.g.,

monitoring, restoration, GIS).

Description of Tasks:

Deliverables may include an updated SWMP plan; plan for implementing restoration science in the reserves; land use and habitat mapping vision for the reserves; and science articles on reserve activities.

Special Requirements and Selection Criteria:

Strong knowledge of estuarine ecology; critical thinking; strong reading and writing skills; good computer skills in Word, WordPerfect, Excel and Powerpoint.

NOAA Line/Staff Office: Office of Coastal Resource Management, Estuarine Reserves

Point of Contact: Maurice Crawford, Estuarine Reserves Division, 301.713.3155 ext. 165

NOS-07-OCS

**NATIONAL OCEAN SERVICE
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial_____ Technical X Analytical_____

Administrative _____ Clerical/Support _____ Other_____

Level of Responsibility: GS-05/07/09/11/12/13

Duration: 3 months _____ 6 months X

Timeframe: 1st quarter___ 2nd quarter X 3rd quarter___ 4th quarter___

Title of Assignment: Nautical Charting Program cartographic data recorder

Assignment Objective:

The participant will bring skills and expertise in tides and water levels to the Marine Chart Division and address their impacts to the Nautical Charting Program. They will gain experience in staff work by providing briefings and written documentation of work in support the nautical charting efforts.

Description of Tasks:

Marine Chart Division needs to have a better understanding of tides and water levels. There are many aspect of this field that will affect the nautical charting products in the near future. These include; the upcoming tidal epic update, localize changes to the tidal datum, and other "hot spots" where traditional approaches to tide application, datum, and data reduction does not apply. In addition, MCD needs to better understand the generations of tide notes and tide boxes that are displayed on our charts and desires to integrate these tide related products into our charting cycles.

The participant will be responsible for assisting the cartographers in Marine Chart Division with understanding and resolving a variety of tide and water level issues that affect the nautical chart. The participant will aid in the development of training courses, guidelines, and instructions to assist cartographic employees in dealing with these issues.

Special Requirements and Selection Criteria:

The participant should have a good working knowledge of tides and water levels and how this field affects hydrography, the nautical chart, and other marine interests.

NOAA Line/ Staff Office: NOS/ Office of Coast Survey/ Marine Chart Division/ Nautical Data Branch

Point of Conduct: Lyn Preston; 301 713 2737x123

**NATIONAL OCEAN SERVICE
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial_____ Technical X Analytical _____

Administrative _____ Clerical/Support _____ Other_____

Level of Responsibility: GS-05/07/09/11/12

Duration: 3 months _____ 6 months X

Timeframe: 1st quarter__ 2nd quarter X 3rd quarter__ 4th quarter__

Title of Assignment: Raster chart production cartographer

Assignment Objective:

Participant will learn the system used in MCD for chart production and receive training in techniques and procedures associated with the production of nautical charts. Incumbent will learn skills associated with the maintenance of the raster database used in chart production, including evaluation and application of a diverse range of source data. Source data will include hydrographic surveys from NOS and United States Army Corps of Engineers, Geographic Cells of topographic data from National Geodetic Survey. Other source data will include aids to navigation and hazards reported by US Coast Guard, reports from US Power Squadron and Coast Guard Auxiliary, and input from local government and the private sector. Participant will prepare new editions of nautical charts by applying source data and will learn procedures associated with nautical chart production.

Description of Tasks:

The participant will be responsible for maintaining nautical chart raster database by applying source document data using raster-based production system. User will become familiar with commercial CADD software products. He / she will use MicroStation to apply vector data to design files and I/RAS B to edit raster data. The user will be responsible for the evaluation and application of incoming source data, including digital and analog formats, utilizing accepted MCD procedures and applications to transform incoming source documents into a standardized digital format usable in the raster production system. He / she will become familiar with the full array of utilities developed in OCS to support raster compilation. Included in the training will be compilation procedures and criteria required by MCD Nautical Chart Manual.

The participant will conduct both routine and complex cartographic research in support of chart compilation. He / she will evaluate conflicting source data and resolve situation by applying the appropriate source data.

Special Requirements and Selection Criteria:

For the entry level, the participant should have an interest in cartography, CADD, GIS, or hydrography and/or familiarity with cartography, and/or marine transportation and/or marine environment interests. For other levels, the participant is expected to have a good working knowledge of GIS products and nautical cartography, MCD product lines, cartographic compilation techniques, source suppliers, and marine interests and customers.

NOAA Line/ Staff Office: NOS/ Office of Coast Survey/ Marine Chart Division/ Products Branch A / C / E

Point of Contact: Travis Newman; 301 713 2745 x 112

NOS-09-CSC

**NATIONAL OCEAN SERVICE
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial_____ Technical X Analytical _____

Administrative _____ Clerical/Support _____ Other_____

Level of Responsibility: GS-05/07/09/11/12/13

Duration: 3 months _____ 6 months X

Timeframe: 1st quarter__ 2nd quarter x 3rd quarter__ 4th quarter__

Title of Assignment: Printing Technology and Graphics Specialist

Assignment Objective:

Participant will learn the system used in MCD for chart production and receive training in techniques and procedures associated with the production of nautical charts. Incumbent will learn skills associated with the maintenance of the raster database used in chart production, including the use of computer graphics. Participant will learn software packages used to generate and maintain charts, catalogs, and other raster-based products. Participant will prepare new editions of nautical charts by inspecting raster chart images data and will learn procedures associated with nautical chart production.

Description of Tasks:

The user will become familiar with commercial CADD software products designed to create and edit raster graphics. He / she will use MicroStation to apply and maintain vector data to design files and I/RAS B to edit raster data. The user will be responsible for the evaluation and application of digital graphics, utilizing accepted MCD procedures and applications. User will use software to edit photographic images inserted on raster products. Products include nautical charts, chart catalogs, Coast Pilot editions, posters, and special publications. He / she will become familiar with the full array of utilities developed in OCS to support raster compilation. Included in the training will be compilation procedures and criteria required by MCD Nautical Chart Manual.

The participant will conduct both routine and complex cartographic research in support of chart compilation. He / she will evaluate conflicting source data and resolve situation by applying the appropriate source data.

Special Requirements and Selection Criteria:

For entry level, Knowledge and/or interest of the digital process with an emphasis on

- Color requirements for 2 color, 4 process colors, and NOAA spot colors
- Image quality / resolution and format manipulation including TIFF, EPS, and CRL

- PostScript Type 1 and True Type fonts and font management tools
- Types of publications including large format nautical charts, brochures, pamphlets, and books

For other levels, working knowledge of all of the above and working knowledge of the print production process.

Working knowledge of HP Designjet large format plotters and Raster Image Processors (RIP).

Knowledge of Adobe/ Corel graphics applications

Knowledge of AnaTech Predictor, and JASC Paint Shop Pro. Detailed working knowledge of MS Office.

NOAA Line/ Staff Office: NOS/ Office of Coast Survey/ Marine Chart Division/ Products Branch A / C / E

Point of Contact: David Poltilove; 301 713 2745 x 152

**NATIONAL OCEAN SERVICE
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial_____ Technical X Analytical _____
Administrative _____ Clerical/Support _____ Other_____

Level of Responsibility: GS-11/12

Duration: 3 months _____ 6 months _____ Other: Note: we would like to make this RAP assignment a year to best benefit the individual and the receiving organization.

Timeframe: 1st quarter__ 2nd quarter_ x 3rd quarter__ 4th quarter__

Title of Assignment: Aids to Navigation cartographer

Assignment Objective:

To gain skills and expertise in evaluating and applying critical aids to navigation information in support of the weekly update service activities. Activities that require final review of all notices and coordination and liaison with U. S. Coast Guard, NIMA, USACE, RSD, NSD, etc. This will require on the job training with specialized software used in the production of critical updates to raster, ENC, paper and print on demand charts. This will involve understanding of the practices and procedures of the organizations involved in the management and issuance of critical corrections.

Description of Tasks:

The participant will be responsible to compile and or review aids to navigation data and other notice to mariner data within the CRIT database, and on all MCD graphic product lines. Prepare updated USB raster chart data and all associated support files for distribution to our NOS CRADA partners. Perform final quality check of CRIT2000 data for new chart editions. Assist in the certification of the Coast Guard Atonis database, as part of a joint inter-agency data sharing initiative. Get involved with applying CRIT items to the ENC cells in continual maintenance and support of the POD processes that are to be transferred to MCD in FY03

Special Requirements and Selection Criteria:

The participant should have a working knowledge of nautical cartography, cartographic compilation techniques, and all MCD product lines, specifically as it relates to the aids to navigation and Notice to Mariners. The participant should also have experience using PC technology with a proficient knowledge of Microstation, and NoticeWriter.

NOAA Line/ Staff Office: NOS/ Office of Coast Survey/ Marine Chart Division/ Products Branch G

Point of Contact: Ed Martin 713-1973 x105

NOS-11-OCS

**NATIONAL OCEAN SERVICE
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial_____ Technical X Analytical _____
Administrative _____ Clerical/Support _____ Other_____

Level of Responsibility: GS-11/12

Duration: 3 months _____ 6 months _____ Other: Note: we would like to make this RAP assignment a year to best benefit the individual and the receiving organization.

Timeframe: 1st quarter____ 2nd quarter X 3rd quarter____ 4th quarter____

Title of Assignment: Electronic Navigational Chart Production Cartographer

Assignment Objective:

To participate in the MCD vector-based electronic navigational chart (ENC) program and gain skills and expertise in the ENC data structures, International Hydrographic Organization S-57 format, Laser-Scan Automated Map Production System 2 (LAMPS2) and dKart Inspector software and other cartographic and GIS practices.

Description of Tasks:

The participant will be responsible for reviewing contractor produced electronic chart data for completeness and accuracy by comparing the ENC to the raster chart as well as using automated testing routines. Once a general understanding of ENCs is obtained, the participant will be introduced to using the LAMPS2 ENC production software for the application of chart source material to the existing ENC database. This involves both standard chart compilation tasks such as source evaluation and GIS data editing tasks such as topologically structuring the spatial component of the source data. Several tasks will include review of ENC cells prepared under contract. Will also include testing and evaluation of Off-The-Shelf GIS/charting products.

Special Requirements and Selection Criteria:

The participant should have a working knowledge of nautical cartography, MCD product lines, cartographic compilation techniques, source suppliers, and marine interests and customers or equivalent experience. The participant should also have experience using PC technology for chart compilation and/or GIS analysis.

NOAA Line/ Staff Office: NOS/ Office of Coast Survey/Marine Chart Division/ENC Branch

Point of Contact: Dave Myers 301 713 2717 x207

NOS-12-OCS

**NATIONAL OCEAN SERVICE
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial_____ Technical _____ Analytical __X__

Administrative _____ Clerical/Support _____ Other_____

Level of Responsibility: GS-11/12

Duration: 3 months _____ 6 months__x__

Timeframe: 1st quarter__ 2nd quarter__x__ 3rd quarter__ 4th quarter__

Title of Assignment: Charting Manual/ Quality Assurance Cartographer

Assignment Objective:

Manage the continuous update and modernization of Marine Chart Division Charting Manual and associated documentation and symbology in support of Raster and ENC programs and related data products. Assist in the development of Automated Quality assurance processes and in providing cartographic research for the support of internal and external cartographic issues and questions.

Description of Tasks:

Assess, and document the overall Marine Chart Division cartographic policy documents and cartographic training requirements. Build on the established format for these documents. Develop training material and participate in training for MCD employees. These documents should continue to serve multiple requirements such as: new employee orientation training, in-depth cartographic policy training, quality assurance and control of charting practices, and reference for external marine customers as appropriate. Digitize graphics and tables associated with policy documents. Establish configuration management procedures for these documents and establish process to assure conformance. Participate in testing, review, and documentation of software used in the charting processes and in support of consistent interpretation of policy.

Special Requirements and Selection Criteria:

The participant should have a good working knowledge of nautical cartography and exposure to web page development, technical editing, and desktop publishing.

NOAA Line/ Staff Office: NOS/ Office of Coast Survey/ Marine Chart Division/ Quality Assurance Branch

Point of Contact: Fannie Powers 301 713 2742 x143

NOS-13-OCS

**NATIONAL OCEAN SERVICE
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial_____ Technical X Analytical _____

Administrative _____ Clerical/Support _____ Other_____

Level of Responsibility: GS-11/12/13

Duration: 3 months _____ 6 months X

Timeframe: 1st quarter__ 2nd quarter X 3rd quarter__ 4th quarter__

Title of Assignment: Marine Chart Division Front Office Staffer

Assignment Objective:

Participate in the development of outreach material, brochures and presentations and gain understanding and appreciation for the NOAA strategic goal to promote safe navigation and gain understanding of MCD's role in supporting the Marine Transportation System and marine environment. Work directly with MCD Chief and Deputy Chief to manage budget, resources and technology in support of the MCD programs.

Description of Tasks:

The participant will work with MCD management and OCS staff to develop outreach and communication material, prepare presentations using multiple graphics and desktop publishing packages, participate in development of content, perform technical editing and review of MCD material, undertake MCD web page editing and enhancement and provide staff support to MCD management.

The participant will prepare presentations and assist in the development of MCD program documents used for marketing of MCD products and services to both internal and external customers.

The participant will provide staff support and manage special projects in support of MCD management and program activities.

Special Requirements and Selection Criteria:

The participant should have strong written and oral communication skills, strong interest in the Marine Transportation system and marine environment, expertise and/or interest in desktop and web publishing, skills in graphics packages, design and layout of promotional material, skills in marketing, outreach, technical writing and editing.

NOAA Line/ Staff Office: NOS/ Office of Coast Survey/ Marine Chart Division

Point of Contact: Captain Jim Gardner; 301 713 2742 x143

NOS-14-OCS

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial_____ Technical X Analytical _____

Administrative _____ Clerical/Support _____ Other_____

Level of Responsibility: GS- 11/12 Pay Band _____ WG/WM _____

Duration: 3 months _____ 6 months X Other_____

Timeframe: 1st quarter____ 2nd quarter X 3rd quarterX 4th quarter X

Title of Assignment: Development of Digital Maritime Limits and a National Baseline

Assignment Objective:

To develop digital maritime limits (the 3 Nautical Mile Line, Territorial Sea, Contiguous Zone, and Exclusive Economic Zone) for the coastal United States. The participant will gain practical experience implementing guidelines set forth in the United Nation Law of the Sea Convention and using GIS software tools, such as Caris Law of the Sea (LOTS), ESRI ArcGIS, and Safe Feature Manipulation Engine (FME).

Description of Tasks:

This assignment in the Coast Survey Development Laboratory calls for a specialist in nautical charting procedures who is familiar with GIS concepts. To generate the limits at designated areas, the specialist will work with Caris' LOTS software and develop limits using NOS' Extracted Vector Shoreline (shapefile format), MapTech's raster nautical charts (BSB format), and NOAA's hydrographic surveys as base layers. Some software customization may be necessary as the project evolves.

Special Requirements and Selection Criteria:

This fast-paced assignment requires a detail-oriented, quick learner with extensive knowledge of nautical charting.

NOAA Line/Staff Office: NOAA/NOS/OCS/Coast Survey Development Lab

Point of Contact: Meredith Westington

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY

Occupational Category:

Managerial_____ Technical XX Analytical_____
Administrative_____ Clerical/Support _____ Other_____

Level of Responsibility: GS 12 or below Pay Band ____ WG /WM ____

Duration: 3 months _____ 6 months XX Other_____

Timeframe: Q1 ____ Q2 XX Q3 XX Q4 XX (flexible)

Title of Assignment: Nautical Chart New Product Development

Assignment Objective: This assignment will broaden the employee skill in identifying public needs, designing products to meet those needs, and in executing projects to provide those products. Specific exposure / experience will be gained in:

- Marketing / determining product needs; product design and test; new product development; manufacturing, sales, and distribution, and Nautical charts and computer-assisted cartography.

Description of Tasks: The Office of Coast Survey has developed and deployed Print on Demand technology for nautical charts. This award-winning technology provides mariners with charts that are up-to-date when printed, and that are only printed when ordered. Coast Survey is now using that same system to expand its suite of nautical products where public needs exist. The assignee may participate on the following new product initiatives depending on the needs of the program at the time.

- PocketCharts a special purpose chart for beginning recreational boaters (www.NauticalCharts.gov/pocketcharts).
- Printable patches small, fully corrected sections of charts distributed as attachments to e-mails. Recipients print and apply the patches to update their charts.
- Small Bridge Chart an up-to-date chart made in a chart agent store, in a 12 18 spiral-bound, paged format.
- Printed ENC a fully redesigned chart; to be printed by users from NOAA electronic navigational charts.

Special Requirements and Selection Criteria: Significant computer use skills. Programming desired but not required.

NOAA Line/Staff Office: Office of Coast Survey NOS

Point of Contact: Richard Sillcox, 301-713-2770 x156

NOS-16-NCCOS

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY

Occupational Category:

Managerial_____ Technical X Analytical_____

Administrative _____ Clerical/Support _____ Other_____

Level of Responsibility: GS 7 -8 Pay Band _____ WG/WM _____

Duration: 3 months _____ 6 months X Other_____

Timeframe: 1st quarter__ 2nd quarter X 3rd quarter X 4th quarter__

Title of Assignment: National Estuarine Eutrophication Assessment Program – Data Acquisition and Method Application

Assignment Objective:

The National Estuarine Eutrophication Assessment (NEEA) Program is an ongoing effort to collect nutrient related water quality data for 140 US estuaries for use in an update of a 1999 assessment. The assessment methodology is a Pressure-State-Response format and requires water quality data (i.e. data for: Chl a concentrations, macroalgae abundance, nutrient concentrations, Submerged Aquatic Vegetation distribution, dissolved oxygen concentrations, salinity, and latitude and longitude of sample locations), data for nutrient loading to the systems, and data and information about future changes in land use and nutrient management measures within the watershed for proper application of the assessment methodology. An additional socioeconomic assessment index requires fisheries data for select species.

The objective of this assignment is to collect the required data and apply the methodology to estuaries and coastal systems selected for inclusion in the Program.

Description of Tasks:

The applicant will be required to learn and apply the assessment methodology and write a description of the assessment results. This will require first that the applicant contact and acquire data from identified data holders and enter the data into a pre-existing relational data base. The applicant will then process data as instructed by team lead and transform into a format for use in the application of the assessment methodology.

Special Requirements and Selection Criteria:

An interest in and understanding of estuarine and coastal ecology, specifically with regard to nutrient related processes, is required. Knowledge of excel and other data processing and database programs is required. Good interpersonal and communication skills are needed for the data acquisition process. Good writing skills, and creativity are all helpful but not required. Good sense of humor is required.

NOAA Line/Staff Office: /s/ Jean Snider, Deputy Director, NCCOS 1/12/03

Point of Contact: Dr.Suzanne Bricker at Suzanne.bricker@noaa.gov or 301.713.3020

NOS-17-NCCOS

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial_____ Technical__X__ Analytical_____

Administrative _____ Clerical/Support __X__ Other_____

Level of Responsibility: GS_7-9_ Pay Band _____ WG/WM _____

Duration: 3 months _X_ 6 months_____ Other_____

Timeframe: 1st quarter__ 2nd quarter__ 3rd quarter_X_ 4th quarter_X_

Title of Assignment: Developing Manuals for the Monitoring Coastal Restoration Projects

Assignment Objective:

To work as a part of a team developing a series of documents that assist practitioners in the development of science-based monitoring plans for coastal restoration projects.

Description of Tasks:

- Work in the writing and editing of manuals related to the restoration of the following coastal habitats: Water Column, Hard Bottom, Coral Reefs, Oyster Beds, Soft Bottom, Large Macroalgae (including kelp), Rocky Shoreline, Soft Shoreline, Submerged Aquatic Vegetation (including seagrasses and freshwater/Brackish Water SAV), Marsh, Mangroves, Deepwater Swamps, Bottomland Forests.
- Assist in the planning and conduct of a workshop to discuss the role of socioeconomics in coastal restoration. The workshop will be attended by individuals from the academic community and the private sector, as well as federal, state, and local government.

Special Requirements and Selection Criteria:

Applicants need not have a background in coastal restoration or ecology, but should be interested in the subject and be willing to learn. An applicant should, however, be comfortable writing and proofreading text intended for a potentially non-technical audience.

NOAA Line/Staff Office: NOAA National Ocean Service

Point of Contact: Terry McTigue (301-713-3020 x186)

NOS-18-CSC

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY

Occupational Category:

Managerial _____ Technical ☒ Analytical _____

Administrative _____ Clerical/Support _____ Other _____

Level of Responsibility: GS - 07 Pay Band _____ Wg/WM _____

Duration: 3 Months ☒ 6 Months _____ Other _____

Time frame: 1st quarter _____ 2nd quarter ☒ 3rd quarter _____ 4th quarter _____

Assignment Objective: To provide information technology (IT) network systems administration and user support in a Microsoft NT environment.

Description of Tasks:

Maintain portable laptops and desktop workstations in accordance with NOAA and CSC standards and adhering to CSC standard operating procedures (SOP) and standard business practices. Assist the Network and LAN administrators with LAN Systems Administration Duties.

Provide computer support to CSC internal Branches and external NOAA groups and partners which includes providing computer support, user assistance, technical input to the Infrastructure IT group for planning, and preparing standard operating procedures.

Provide assistance for software, hardware, network, computer training, computer purchasing and computer security issues for CSC. This also includes enforcing CSC and NOAA policy for equipment and software usage; recommending new CSC computer requirements; providing technical support to CSC program areas for the evaluation and recommendation of computerized processes; assist in maintaining inventory of replacement supplies for printers, fax machines, etc.

Special Requirements and Selection Criteria:

- targeted for employees working in the local commuting area
- two year technical degree in computer science / computer technology
- familiar with IT purchasing and inventory

NOAA Line/Staff Office: NOAA National Ocean Service Coastal Services Center

Point of Contact: Mike.Warren@noaa.gov (843) 740-1214

NOS-19-NGS

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial_____ Technical X Analytical_____

Administrative _____ Clerical/Support _____ Other_____

Level of Responsibility: GS-7/9/11/12 Pay Band _____ WG/WM _____

Duration: 3 months _____ 6 months X Other_____

Timeframe: 1st quarter__ 2nd quarter__ 3rd quarter X 4th quarter__

Title of Assignment: Practical Applications of Global Positioning System technology

Assignment Objective:

To gain a functional knowledge of geodetic surveying, using Global Positioning System (GPS) technology.

Description of Tasks:

Hands on experience with NGS baseline processing (PAGES) and least squares adjustment (ADJUST) software as well as commercial processing software. Participate in field testing of new GPS receivers and antennas, kinematic GPS surveys and Height Modernization surveys. Process the raw data from these surveys and tests and compare results with established standards.

Special Requirements and Selection Criteria:

This assignment calls for a scientist or technician with basic math and computer skills who, once trained in processing GPS data, is capable of working independently on a variety of survey projects. In addition the selectee should be willing to travel throughout the United States for up to 50 percent of the time (maximum of four to six weeks at a time) and work outdoors on geodetic surveys and field tests.

NOTE: This position is located in Norfolk, VA. Priority will be given to personnel in the Norfolk, VA area.

NOAA Line/Staff Office: NOAA Ocean Service, National Geodetic Survey

Point of Contact: Elizabeth Wade 301-713-3176

NOS-20-NGS

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial_____ Technical X Analytical_____

Administrative _____ Clerical/Support _____ Other_____

Level of Responsibility: GS-7/9/11/12 Pay Band _____ WG/WM _____

Duration: 3 months _____ 6 months X Other_____

Timeframe: 1st quarter__ 2nd quarter__ 3rd quarter X 4th quarter__

Title of Assignment: NGS Aeronautical Surveys Program (ASP) Field Operations

Assignment Objective:

The National Geodetic Survey (NGS), in accordance with a series of interagency agreements with the Federal Aviation Administration (FAA), provides airport geodetic control, runway, navigational aid, obstruction, and other aeronautical data that is critical to the operation of the National Airspace System. Much of this data is obtained by survey parties who visit the various airports and make observations using field survey methods. The participant will gain a functional knowledge of geodetic surveying using Global Positioning System (GPS) technology and conventional survey techniques as well as an understanding of the complexity of ASP field operations.

Description of Tasks:

While in the field, participate in ASP surveys operating a variety of survey instruments, including GPS and lasers, along with an electronic data collection system. Interpret aerial photographs to accurately identify images of natural and cultural features. While in the office, process raw survey data collected in the field. Gains hands on experience with NGS and commercial data processing and adjustment software.

Special Requirements and Selection Criteria:

This assignment calls for a scientist or technician with basic math and computer skills who enjoys travel and working outdoors as a member of a small team. The travel will be throughout the United States for up to 50 percent of the time (maximum of six weeks at a time) and a valid drivers license is required.

NOTE: This position is located in Norfolk, VA. Priority will be given to personnel in the Norfolk, VA area.

NOAA Line/Staff Office: NOAA Ocean Service, National Geodetic Survey

Point of Contact: Elizabeth Wade 301-713-3176

NOS-21-OCRM

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

Occupational Category:

Managerial____ Technical__X__ Analytical____

Administrative ____ Clerical/Support ____ Other____

Level of Responsibility: GS_11-14__ Pay Band ____ WG/WM ____

Duration: 3 months ____ 6 months____ Other_3-6 months__

Timeframe: 1st quarter____ 2nd quarter____ 3rd quarter __X__ 4th quarter__X__

Title of Assignment: Coastal Management Indicator Specialist

Assignment Objective:

To assist a state coastal zone management program in collecting data for a suite of performance indicators to support the pilot stage of implementation of the National Coastal Management Performance Measurement System.

Description of Tasks:

The NOAA employee will work with a state coastal management program to locate, compile, and analyze existing data for a suite of indicators related to coastal zone management. This task will likely involve working closely with staff from the state coastal management program, partner state agencies, local governments, NGOs, and universities to collect, analyze, and report data. The employee will also be responsible for working closely with the NOAA Office of Ocean and Coastal Resource Management to insure consistency in data collection and reporting across pilot states.

Special Requirements and Selection Criteria:

Travel to a coastal state, as yet to be determined.

NOAA Line/Staff Office: NOS Office of Ocean and Coastal Resource Management

Point of Contact: Ralph Cantral (Ralph.cantral@noaa.gov; 301-713-3155 x118)